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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hans Eberle et al.

Title: METHOD AND APPARATUS FOR SPECULATIVE ARBITRATION

Application No.: 10/080,135

Filed:

February 21, 2004

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Examiner: Olms, Douglas W.

Group Art Unit: 2661

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Atty. Docket No.: 004-6999

Technology Center 2600

April 27, 2004

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Nicole Teitler Cave 4/27/04
Nicole Teitler Cave Date

Respectfully submitted,

Nicole Teitler Cave

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U.S. Department of Commerce, Patent and Trademark Office				Attorney Docket No.: 004-6999		
				Application No.: 10/080,135		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Applicant(s): Hans Eberle et al.		
(Use several sheets if necessary)				Filing Date: February 21, 2002		
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U.S. Patent Documents						
*Examiner Initial		Document Number	Date	Name		
	AA	4,760,521	Jul. 26, 1988	Rehwald et al.	<div style="font-size: 2em; font-weight: bold;">RECEIVED</div> <div style="font-size: 1.5em; font-weight: bold;">MAY 03 2004</div> <div style="font-size: 1.2em; font-weight: bold;">Technology Center 2600</div>	
	AB	4,792,944	Dec. 20, 1988	Takahashi et al.		
	AC	5,267,235	Nov. 30, 1993	Thacker		
	AD	5,301,279	Apr. 5, 1994	Riley et al.		
	AE	5,560,016	Sep. 24, 1996	Fiebrich et al.		
	AF	5,564,062	Oct. 8, 1996	Meaney et al.		
	AG	5,577,035	Nov. 19, 1996	Hayter et al.		
	AH	5,617,575	Apr. 1, 1997	Sakakibara et al.		
	AI	5,742,594	Apr. 21, 1998	Natarajan		
	AJ	5,835,491	Nov. 10, 1998	Davis et al.		
	AK	5,838,681	Nov. 17, 1998	Bonomi et al.		
	AL	5,884,046	Mar. 16, 1999	Antonov		
	AM	6,023,732	Feb. 8, 2000	Moh et al.		
Foreign Patent Documents						
						Translation
		Document	Date	Country	Yes	No
	AN	EP 0 463 943 A2	Jan. 2, 1992	Europe		
	AO	EP 0 507 044 A3	Oct. 7, 1992	Europe		
	AP	EP 0 868 054 A2	Sep. 30, 1998	Europe		
	AQ	EP 0 869 651 A1	Oct. 7, 1998	Europe		
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)						
	AR	Maltz, D.A. et al., "MSOCKS: An Architecture for Transport Layer Mobility", ISBN: 0-7803-4384-0, vol. 3, 29 March 1998, pp. 1037-1045.				
	AS	Watson, R.W. et al., "The Parallel I/O Architecture of the High-Performance Storage System (HPSS)", Fourteenth IEEE Symposium on Mass Storage Systems, Sept. 11, 1995, pp. 27-44.				
	AT	Gruber, R. and Dubois-Pelerin Y., "Swiss-Tx: first experiences on the T0 system", EPFL-SCR No. 10 (http://www.grid-computing.net/documents/article1.pdf), November 1998, 6 pages.				

Examiner	Date Considered
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>	

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	AU	6,029,217	Feb. 22, 2000	Arimilli, et al.			
	AV	6,034,954	Mar. 7, 2000	Takase et al.			
	AW	6,069,573	May 30, 2000	Clark, II et al.			
	AX	6,072,772	Jun. 6, 2000	Charny et al.			
	AY	6,111,886	Aug. 29, 2000	Stewart			
	AZ	6,160,812	Dec. 12, 2000	Bauman et al.			
Foreign Patent Documents							
					Translation		
		Document	Date	Country	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Yes</td> <td style="width: 50%; text-align: center;">No</td> </tr> </table>	Yes	No
Yes	No						
	AAA	EP 1 096 387 A1	May 2, 2001	Europe			
	ABB	WO 98/19439	May 7, 1998	PCT			
	ACC	WO 99/26381	May 27, 1999	PCT			
	ADD	WO 00/29956	May 25, 2000	PCT			
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AEE	Brauss, S., "Communication Libraries for the Swiss-Tx Machines", EPFL-SCR No. 11 (http://www.grid-computing.net/documents/article3.pdf), November 1999, 6 pages.					
	AFF	Working Draft, T11.1/Project 1245-D/Rev 1.9, "Information Technology – Scheduled Transfer Protocol (ST)", May 28, 1998, pp. 1-85.					
	AGG	Tamir and Chi, "Symmetric Crossbar Arbiters for VLSI Communication Switches", IEEE Transactions on Parallel and Distributed Systems, Vol. 4, No. 1, 1993, pp. 13-27.					
	AHH	Boden, Cohen et al., "Myrinet: A Gigabit-per-Second Local Area Network", IEEE Feb. 1995, pp. 29-36.					
	AII	Kronenberg, Levy, et al., "VAXclusters: A Closely-Coupled Distributed System", ACM Transactions on Computer Systems, Vol. 4, No. 2, May 1986, pp. 130-146.					
	AJJ	Dally, William J., "Virtual-Channel Flow Control", IEEE 1990, pp. 60-68.					
	AKK	Chun, Mainwaring et al., "Virtual Network Transport Protocols for Myrinet", Computer Science Division University of California at Berkeley, Aug. 20, 1997, pp. 1-14.					
	ALL	Pakin, Karamcheti et al., "Fast Messages: Efficient, Portable Communication for Workstation Clusters and MPPs", IEEE Concurrency, April-June, 1997, pp. 60-73.					
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	AMM	6,370,148	Apr. 9, 2002	Calvignac et al.	
	ANN	6,449,283	Sep. 10, 2002	Chao et al.	
	AOO	6,473,103	Oct. 29, 2002	Bailey et al.	
	APP	6,487, 213	Nov. 26, 2002	Chao	
	AQQ	6,570,873	May 27, 2003	Isoyama et al.	
Foreign Patent Documents					
					Translation
		Document	Date	Country	Yes No
OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)					
	ARR	Karol, Hluchyj et al., "Input Versus Output Queueing on a Space-Division Packet Switch", IEEE Transactions on Communications, Vol. COM-35, No. 12, Dec. 1987, pp. 1347-1356.			
	ASS	Scott and Thorson, "The Cray T3E Network: Adaptive Routing in a High Performance 3D Torus", HOT Interconnects IV, Stanford University, Aug. 15-16, 1996, pp. 1-10.			
	ATT	Mainwaring and Culler, "Design Challenges of Virtual Networks: Fast, General-Purpose Communication", ACM SIGPLAN Symposium on Principles and Practice of Parallel Programming (PPOPP), Atlanta, GA, May 4-6, 1999.			
	AUU	Chun, Mainwaring et al., "Virtual Network Transport Protocols for Myrinet", IEEE Micro, Vol. 18, No. 1, 1998, pp. 52-63.			
	AVV	Scott, Steven L., "Synchronization and Communication in the T3E Multiprocessor", Cray Research, Inc., 1996, pp. 26-36.			
	AWW	Mainwaring and Culler, "Active Message Applications Programming Interface and Communication Subsystem Organization", Draft Technical Report, Computer Science Division University of California at Berkeley, Technical Report UCB CSD-96-918, Oct. 1996, pp. 1-45.			
	AXX	Sun Microsystems, Inc., "The Sun Enterprise Cluster Architecture Technical White Paper", 1997, pp. 1-74.			
	AYY	IBM, "JES2 Introduction", Document No. GC28-1794-02, Third Edition, 1997, pp. 1-51.			
	AZZ	ANSI, "Information Technology – Scheduled Transfer Protocol (ST)", T11.1/Project 1245-D/Rev. 3.6, Jan. 31, 2000, pp. 1-97.			
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